

REMARKS

Reconsideration of the above-identified patent application in view of the amendments above and the remarks following is respectfully requested.

Objections to the Specification

The Examiner's objection to the specification has been resolved by incorporating the Appendix into the body of the specification. Figures A1-A17 have been renamed Figures 6-22. The substance of the captions of these Figures has been included in the text. Pages 42-56 have been deleted. The attached Figures 6-22 replace pages 42-56. In addition, an inadvertent typographical error on page 18 line 2 has been corrected.

Objections to the Drawings

The drawings have been objected to under 37 CFR 1.83(a) for not illustrating the structure of part (b) of claim 16(b), the structures of parts (b), (c), and (d) of claim 17 and the structure of part (b) of claim 18. The examiner's objection is respectfully traversed.

The structures of part (b) of claim 16, part (c) of claim 17 and part (b) of claim 18 is a mechanism for designating a spectral reference window. The structure of part (d) of claim 17 is a mechanism for designating a panchromatic reference window. This structure is illustrated in Figure 2 as console 16. As described in the specification on page 1 lines 25-30, page 2 lines 12-13 and page 8 lines 5-15, the operator of console **16** uses a mouse of console **16** to designate target pixels in a panchromatic image and processor **124**, that replaces processor **24** in the present invention, constructs a panchromatic reference window around these pixels in the panchromatic image and a spectral reference window around the corresponding pixels

in a spectral image. Hence, console 16 is the mechanism for designating both the panchromatic reference window and the spectral reference window.

The structure of part (b) of claim 17 is a panchromatic imaging mechanism. This structure is illustrated in Figures 2 and 5 as camera 22 and in Figure 5 as spectral imager 122. Note that in some embodiments of the invention the panchromatic image is constructed by stacking spectral images acquired by spectral imager 122, as described in the specification on page 8 lines 6-8.

Nevertheless, Figures 2 and 5 have been corrected to indicate explicitly that console 16 is a reference window designator and that camera 22 is a panchromatic imager. Corrected Figures 2 and 5 are attached.

In view of the above amendments and remarks it is respectfully submitted that independent claims 1, 8, 12 and 16-18, and hence dependent claims 2-7, 9-11 and 13-15 are in condition for allowance. Prompt notice of allowance is respectfully and earnestly solicited.

Respectfully submitted,



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